

Patent Abstracts of Japan

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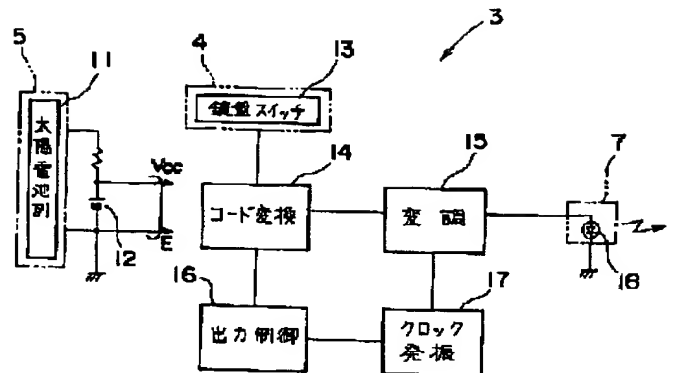
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TITLE : KEYBOARD



ABSTRACT : PURPOSE: To reduce the restriction of installation place by eliminating connection cables and to make the device easy to handle and economically convenient by sending signals by light communication, between the keyboard with a built-in solar battery and the equipment main body.

CONSTITUTION: The solar light is converted into the electric energy by a battery line 11 using the amorphous silicon provided on a panel part 5 of the solar battery and is stored in a secondary battery 12 and a constant voltage power supply Vcc for driving is outputted. When control keys of a keyboard part 4 on a keyboard 3 is depressed, a code conversion part 14 performs the conversion of the code system and the coding system to output the corresponding code. The output code is synthesized with the clock of a clock oscillation part 17 and becomes a modulation signal by a modulation part 15 and is outputted as the light signal of a light emitting element 18 of a light emitting part 7. The light signal is received by the light receiving element at the side of the equipment main body and is converted into the electric signal. After it is stabilized, the clock signal and the data signal are taken out and passed to a keyboard interface part of the equipment main body.

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